Think MENTALS

2

Maths Strategies and Practice

firefly
EDUCATION

1

Come with me to see how you can make maths easier. We're going to learn how to:

- **find** friendly numbers,
- **make** friendly numbers,
- **fix** changes to numbers.

2

Friendly numbers end in **0**. They are easy to work with.

10 is friendlier than 9

10 is friendlier than 11

20 is friendlier than 19

40 is friendlier than 38

70 is friendlier than 71

BUS

3

Let's practise **finding friendly numbers**. Circle the friendly numbers in each pair.

9 or (10)

39 or 40

20 or 23

78 or 80

4

Sometimes you can find pairs of numbers that add up to a **friendly number**.

Find the **friendly pairs** that add up to 10 and circle them.

(9) + 5 + (1) ◄ friendly pair

5 + 5 + 7

2 + 3 + 8

4 + 9 + 6

1 + 7 + 3

HELLO
EBB + Flo

5

What if I can't **find** a friendly number?

27 + 12

54 + 44

38 + 61

Don't worry, there's not always a friendly number to find – sometimes you need to **make** a friendly number.

First you need to look for a number that can be made friendly.

6

Find the number in each addition that is easy to make friendly, then circle it.

⑨ + 7

21 + 34

6 + 18

39 + 17

7

Now, **change** these numbers to **make** them friendly and show how you did it.

9	21	18	39
+1			
10			

change

friendly

8

You can fix a change by doing the **opposite** of what you did to make a number friendly. Fix the change in these additions.
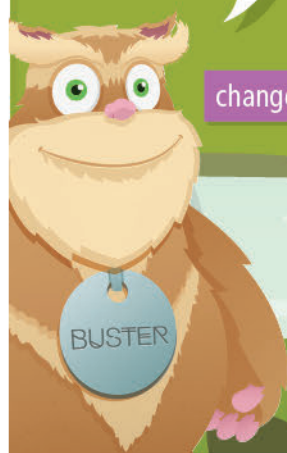
$$9 + 7$$

change → +1   [−1] ← fix

$$10 + \boxed{6}$$

$$6 + 18$$

[ ]   [+2]

$$\boxed{} + 20$$

$$21 + 34$$

−1   [ ]

$$20 + \boxed{}$$

$$39 + 17$$

+1   [ ]

$$40 + \boxed{}$$

BUSTER

9

You can also **make** friendly numbers by breaking larger numbers into place values.

Can you **make** these numbers friendly?

$$27 = 20 + 7$$

$$54 =$$

$$38 =$$

$$91 =$$

10

How did you go? Tick the boxes below to show what you know!

- A friendly number ends in a 0   [ ]
- Friendly numbers make maths easier   [ ]
- How to **find** friendly numbers   [ ]
- How to **make** friendly numbers   [ ]
- How to **fix** my changes   [ ]

Flo
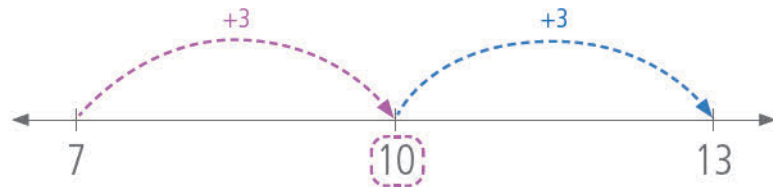
11

Well done! Now that you know the basics, let's get started.

⊕ Addition Strategy

Friendly Jumps

Jump to a friendly ten, then add the rest.
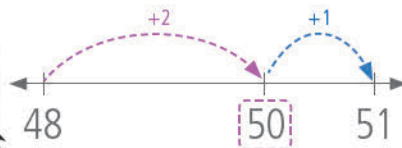
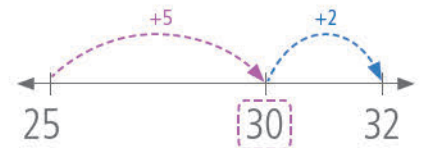**1** Jump forward to a friendly number.

$$7 + 6$$

+3   +3

7   10   13

2 Jump forward the rest.

Other Examples

$$48 + 3$$

+2   +1

48   50   51

$$25 + 7$$

+5   +2

25   30   32

Day 1

1 7 + 8		**7** 17 + 7	
2 6 + 5		**8** 28 + 4	
3 7 + 6		**9** 35 + 8	
4 5 + 8			
5 16 + 6			
6 18 + 3			

10 8 apples and 4 apples makes ☐ apples altogether.

Practice

Q1–10: ____ /10   My time: ____

Day 2

1 8 + 4

2 18 + 3

3 15 + 6

4 36 + 8

5 57 + 6

6 Count on by 1s.

1 2 3

7 Count back by 1s.

10 9 8
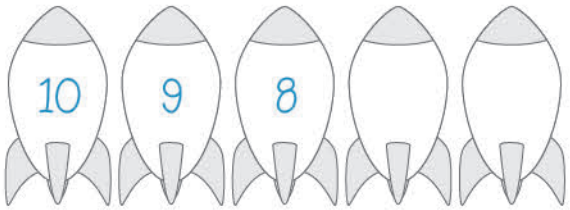
8 Write **fourteen** as a numeral.

9 How many stars?

10 How many handspans?
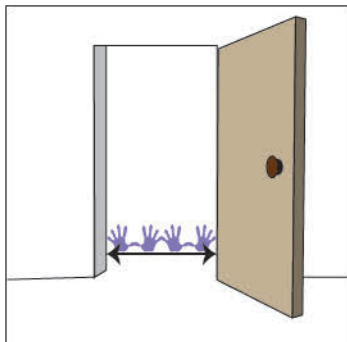
Day 3

1 8 + 5

2 16 + 5

3 55 + 7

4 17 + 8

5 38 + 4

6 Count on by 1s.

9 10 11

7 Count back by 1s.

16 15 14
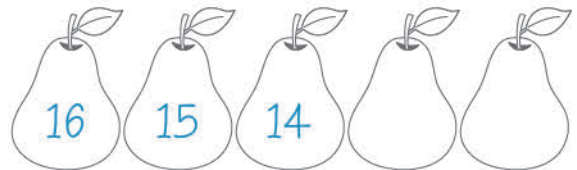
8 Write **twenty-five** as a numeral.

9 How many pencils?
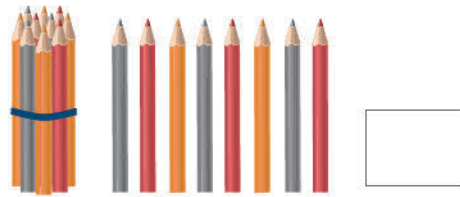
10 How many handspans?
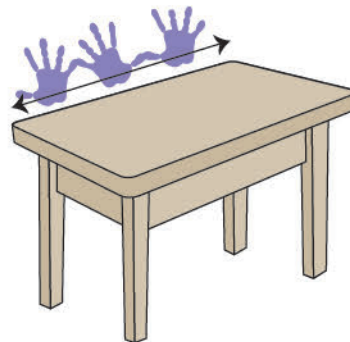
Day 4

1 54 + 7

2 66 + 8

3 88 + 7

4 97 + 5

5 85 + 6

6 Count on by 1s.

30 [ ] 32 [ ] 34

7 Count back by 1s.

30 [ ] [ ] 27 [ ]
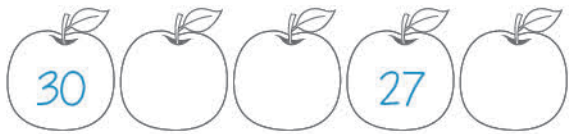
8 Write **forty-eight** as a numeral.

9 How many flowers?

10 How many handspans?
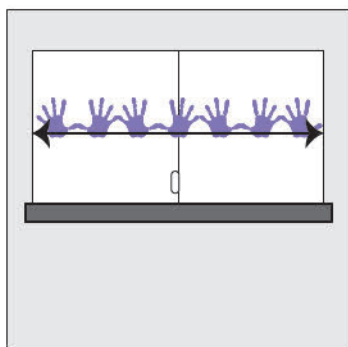
Day 5

Assessment

1 7 + 4

2 8 + 5

3 18 + 4

4 46 + 5

5 36 + 6

6 Count on by 1s.

14 [ ] 16 [ ] 18

7 Count back by 1s.

26 25 [ ] [ ] 22
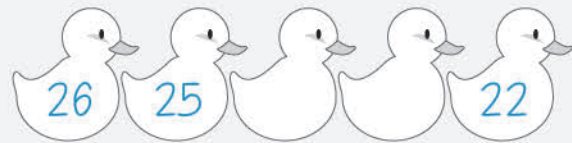
8 Write **thirty-seven** as a numeral.

9 How many triangles?

10 How long is this desk?

[ ] pencils
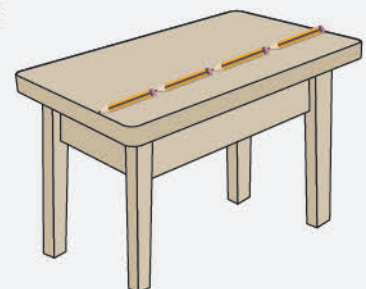
Addition Strategy

Add 10

To add 10, change the digit in the tens place.

1 **Find the digit in the tens place.**

2 **Change the tens digit.**

tens	ones	
5	7	+ 10

add one ten

tens	ones
= 6	7

Other Examples

31 + 10

add one ten

= 41

82 + 10

add one ten

= 92

Day 1

1 27 + 10 ☐

2 55 + 10 ☐

3 36 + 10 ☐

4 42 + 10 ☐

5 81 + 10 ☐

6 19 + 10 ☐

7 35 + 10 ☐

8 77 + 10 ☐

9 40 + 10 ☐

10 Uncle Nick is 31. Uncle Rick is 10 years older. How old is Uncle Rick? ☐

Q1–10: /10

My time:

Practice

Day 2

1 53 + 10 ☐

2 17 + 10 ☐

3 86 + 10 ☐

4 24 + 10 ☐

5 66 + 10 ☐

Practice

6 Count on by 2s.

| 2 | 4 | 6 | | |

7 Count back by 2s.

| | | | 8 | 10 |

8 Count the groups of ten.

☐ tens
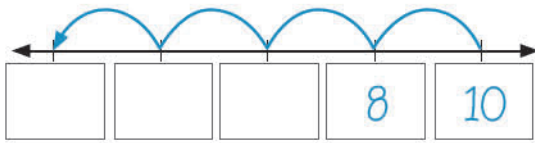
9 Write the number that is **one more**.

14 ☐

10 Colour the thing that holds **more**.

Day 3

1 42 + 10 ☐

2 69 + 10 ☐

3 80 + 10 ☐

4 11 + 10 ☐

5 73 + 10 ☐

Practice

6 Count on by 2s.
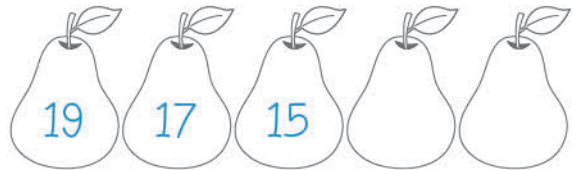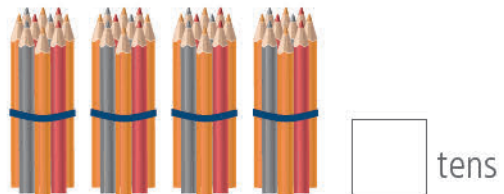
1 3 5 ☐ ☐

7 Count back by 2s.

19 17 15 ☐ ☐

8 Count the groups of ten.

☐ tens

9 Write the number that is **one more**.

20 ☐

10 Colour the thing that holds **more**.

Day 4	Day 5
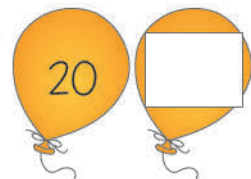
Day 4

1   6 + 10

2   89 + 10

3   90 + 10

4   93 + 10

5   100 + 10
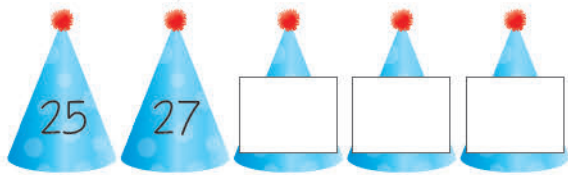
6   Count on by 2s.

25   27

7   Count back by 2s.

40   34

8   Count the groups of ten.

☐ tens

9   Write the number that is **one more**.

59

10 Colour the thing that holds **more**.

2 L MILK   1 L MILK
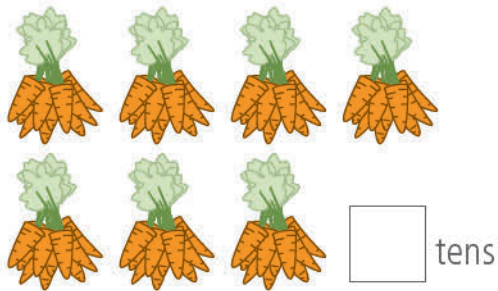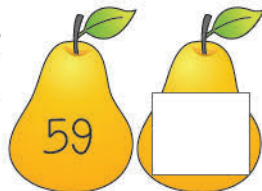
Day 5

1   25 + 10

2   71 + 10

3   39 + 10

4   50 + 10

5   88 + 10
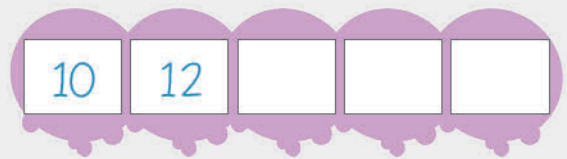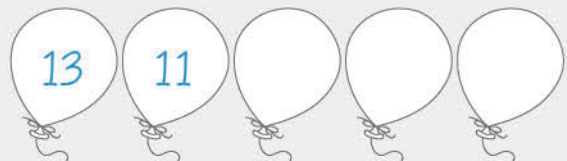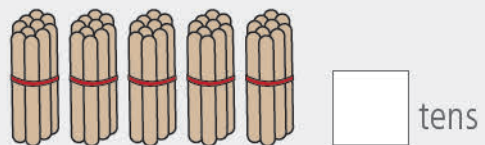
6   Count on by 2s.

10   12

7   Count back by 2s.

13   11

8   Count the groups of ten.

☐ tens

9   Write the number that is **one more**.

36

10 Colour the thing that holds **more**.

Day 1

1 18 + 4 ☐

2 45 + 6 ☐

3 28 + 7 ☐

4 69 + 3 ☐

5 87 + 6 ☐

Revision

6 These ten frames show 14.
Show 14 + 5.
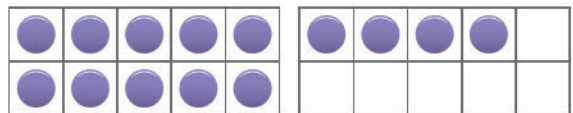
14 + 5 = ☐

7 2 tens and 8 ones = ☐

8 Write the inverse to find the missing number.

? + 4 = 10 ⟳ 10 − 4 = ☐

9 Circle the 5c coin. ②③ ⑤

10 Which pet is the **most** popular?

☐

Day 2

1 34 − 5 ☐

2 73 − 6 ☐

3 54 − 8 ☐

4 21 − 3 ☐

5 86 − 8 ☐

Revision

6 These ten frames show 11.
Show 11 + 7.
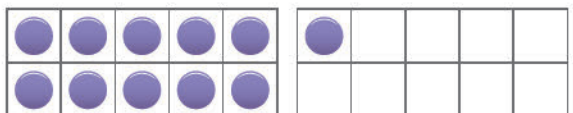
11 + 7 = ☐

7 9 tens and 5 ones = ☐

8 Write the inverse to find the missing number.

? + 2 = 11 ⟳ 11 − 2 = ☐

9 Circle the 20c coin. ⓴ ①

10 Which pet is the **least** popular?

☐

Favourite Pets

Dog	Cat	Fish	Bird

Q1–5:	/5	Q6–10:	/5	My time:

Q1–5:	/5	Q6–10:	/5	My time:

Day 3

1 Double 5

2 Double 8

3 Double 3

4 Double 10

5 Double 6

6 These ten frames show 22.
   Show 22 + 5.

   $22 + 5 =$

7 4 tens and 2 ones =

8 Write the inverse to find the
   missing number.

   $? + 6 = 13$ ⟳ $13 - 6 =$

9 Circle the 10c coin.

10 How many chose
   banana as their
   favourite fruit?

Day 4

1 $\frac{1}{2}$ of 12

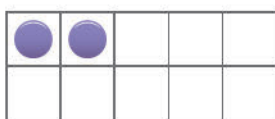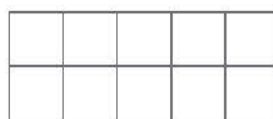2 $\frac{1}{2}$ of 8

3 $\frac{1}{2}$ of 18

4 $\frac{1}{2}$ of 80

5 $\frac{1}{2}$ of 16

6 These ten frames show 17.
   Show 17 + 9.

    + =

7   tens and ones = 76

8 Write the inverse to find the
   missing number.

   $? + 9 = 16$ ⟳ $16 -$ =

9 Circle the $1 coin.

10 How many chose
   a fruit other than
   banana?

Favourite Fruits

Apple	Strawberry	Banana	Watermelon
		🍌	
	🍓	🍌	
	🍓	🍌	🍉
🍎	🍓	🍌	🍉
🍎	🍓	🍌	🍉

Q1–5:   /5   Q6–10:   /5   My time:

Q1–5:   /5   Q6–10:   /5   My time:

Day 5

1 38 + 4 ☐

2 75 − 6 ☐

3 Double 20 ☐

4 $\frac{1}{2}$ of 20 ☐

5 $\frac{1}{2}$ of 100 ☐

6 These ten frames show 16.
Show 16 + 8.

16 + 8 = ☐
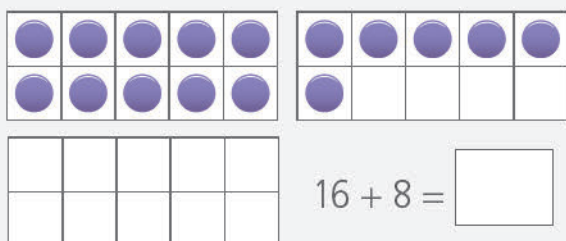
7 ☐ tens and ☐ one = 51

8 Write the inverse to find the missing number.

? + 5 = 12 ↻ 12 − 5 = ☐

9 Circle the 50c coin.

10 There were ☐ cloudy days.

The Weather

Fine	Cloudy	Rainy

Q1–5:	/5	Q6–10:	/5	My time:

Think Box

Three Piece Puzzle

Cut out the three blue shapes on the bottom of this page and arrange them to fit inside the white shapes.

You can flip, slide or turn the blue shapes, but you must use them all.

Draw your answers inside the white shapes.